TR	ANSMITTAL OF INFORMATION DISCLOSU (Under 37 CFR 1.97(b) or 1.97(Docket No. 56029/41936
In Re A	Mueckler et al. JAN 2 6 2005		
	Serial No.	Examiner	Group Art Unit
	Serial No. 10/621,485 RADE VILLE July 16, 2003	Susan Emily Fernandez	1614
Title:	Cell-Free Assay for Insulin Signaling		
	Mail Stop A Commission P.O. Bo Alexandria, V.	ess to: Amendment er for Patents ox 1450 A 22313-1450	
	37 CFR	l 1.97(b)	
1. 🛚	The Information Disclosure Statement submitted he filing of a national application other than a continued within three months of the date of entry of the nat international application; before the mailing of a first of a first Office Action after the filing of a request for of	d prosecution application under ional stage as set forth in 37 Office Action on the merits, or	er 37 CFR 1.53(d); 7 CFR 1.491 in an r before the mailing
	37 CFR	? 1.97(c)	
2. 🗌	The Information Disclosure Statement submitted here CFR 1.97(b), provided that the Information Disclosur Final Action under 37 CFR 1.113, a Notice of Allo otherwise closes prosecution in the application, and is	re Statement is filed before thowance under 37 CFR 1.311	e mailing date of a
	the statement specified in 37 CFR 1.97(e);		
	OR		
	the fee set forth in 37 CFR 1.17(p).		•
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TRANSMITTAL OF INFORM (Under 37 C	MATION DISCLOSU FR 1.97(b) or 1.97(d		Docket No. 56029/41936
Re Application:		 	
Mueckler et al			
Serial No.	Filing Date	Examiner	Group Art Unit
10/621,485	July 16, 2003	Susan Emily Fernandez	1614
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			,	Examiner Name	Susan Emily Fernandez
Sheet	1	of	6	Attorney Docket Number	56029-41936

			U.S. PATE	NT DOCUMENTS	
Examiner Initials	Cite No. 1	Document Number Number-Kind Code ² (if known) US-	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages		
Initials	No. 1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)		Applicant of Cited Document	or Relevant Figures Appear	T ⁶	
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials			
	AA	ALESSI, D. et al., Mechanism of Activation of Protein Kinase B by Insulin and IGF-1, The EMBO Journal, 1996, 15 (23): 6541-6551	
	АВ	ALESSI, D. et al., 3-Phosphoinositide-Dependent Protein Kinase-1 (PDK1): Structural and Functional Homology with the Drosophila DSTPK61 Kinase, Current Biology, September 18, 1997, 7 (10): 776-789	
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	AD	BALENDRAN, A. et al., PDK1 Acquires PDK2 Activity in the Presence of a Synthetic Peptide Derived from the Carboxyl Terminus of PRK2, Current Biology, April 8, 1999, 9 (8): 393-404, S1-S3	
	AE	BEHN-KRAPPA and NEWTON, The Hydrophobic Phosphorylation Motif of Conventional Protein Kinase C is Regulated by Autophosphorylation, Current Biology, June 30, 1999, 9 (14): 728-737	
	AF	BRAZIL and HEMMINGS, Ten Years of Protein Kinase B Signalling: A Hard Akt to Follow, TRENDS in Biochemical Sciences, November 2001, 26 (11): 657-664	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/621,485			
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		First Named Inventor	Mueckler et al.			
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Sheet	2	of	6	Attorney Docket Number	56029-41936	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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	AG	CALDERHEAD, D. et al., Insulin Regulation of the Two Glucose Transporters in 3T3-L1 Adipocytes, The Journal of Biological Chemistry, August 15, 1990, 285 (23): 13800-13808	
	AH	CLARK, S. et al., Intracellular Localization of Phosphatidylinositide 3-Kinase and Insulin Receptor Substrate-1 in Adipocytes: Potential Involvement of a Membrane Skeleton, The Journal of Cell Biology, March 9, 1998, 140 (5): 1211-1225	
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	AQ	ENDEMANN, G. et al., Phosphatidylinositol Kinase or an Associated Protein is a Substrate for the Insulin Receptor Tyrosine Kinase, The Journal of Biological Chemistry, January 5, 1990, 265 (1): 396-400	

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Complete if Known Substitute for form 1449B/PTO **Application Number** 10/621,485 INFORMATION DISCLOSURE **Filing Date** July 16, 2003 STATEMENT BY APPLICANT **First Named Inventor** Mueckler et al. 1614 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Susan Emily Fernandez Sheet 3 of 6 Attorney Docket Number 56029-41936

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Initials No.		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AR	GAREN and LEVINTHAL, A Fine-Structure Genetic and Chemical Study of the Enzyme Alkaline Phosphatase of <i>E. Coli</i> , Biochim. Biophys. Acta, 1960, 38: 470-483	
	AS	GORDON, Julius A., Use of Vanadate as Protein-Phosphotyrosine Phosphatase Inhibitor, Methods in Enzymology, 1991, 201: 477-483	
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	AY	KELLY and RUDERMAN, Insulin-Stimulated Phosphatidylinositol 3-Kinase – Association with a 185-kDa Tyrosine- Phosphorylated Protein (IRS-1) and Localization in a Low Density Membrane Vesicle, The Journal of Biological Chemistry, February 25, 1993, 268 (6): 4391-4398	
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	:	LAWLOR and ALESSI, PKB/Akt: A Key Mediator of Cell Proliferation, Survival and Insulin Responses?, Journal of Cell Science, 2001, 114: 2903-2910	

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Substitute for form 1449B/PTO				Application Number	10/621,485		
INFORMATION DISCLOSURE		Filing Date	July 16, 2003				
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Mueckler et al.		
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Sheet	4	of	6	Attorney Docket Number	56029-41936		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
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	ВС	LYNCH, et al., Integrin-Linked Kinase Regulates Phosphorylation of Serine 473 of Protein Kinase B by an Indirect Mechanism, Oncogene, 1999, 18: 8024-8032						
	BD	McDONALD, J. et al., Ability of Insulin to Increase Calcium Binding by Adipocyte Plasma Membranes, Proceedings of the National Academy of Sciences of the United States of America, May 1976, 73 (5): 1542-1546						
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	BF	PIPER, R. et al., Differential Sorting of Two Glucose Transporters Expressed in Insulin-Sensitive Cells, Am. J. Physiol., 1991, 260 (Cell Physiol. 29): C570-C580						
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	ВК	SALTIEL and KAHN, Insulin Signalling and the Regulation of Glucose and Lipid Metabolism, Nature, 2001, 414: 799-806						
	BL	SCHLEMMER and SIROTNAK, Energy-Dependent Efflux of Methotrexate in L1210 Leukemia Cells – Evidence for the Role of an ATPase Obtained with Inside-Out Plasma Membrane Vesicles, The Journal of Biological Chemistry, July 25, 1992, 267 (21): 14746-14752						
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Cite Initials No.									
_	BN	SHEPHERD, P. et al., Phosphoinositide 3-Kinase: The Key Switch Mechanism in Insulin Signalling, Biochem. J., 1998, Great Britain, 333: 471-490							
	во	SIMPSON, I. et al., Insulin-Stimulated Translocation of Glucose Transporters in the Isolated Rat Adipose Cells: Characterization of Subcellular Fractions, Biochimica et Biophysica Acta, 1983, 763: 393-407							
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	BR	TOKER, A. et al., Cellular Signaling: Pivoting Around PDK-1, Cell, October 13, 2000, 103: 185-188							
	BS	TOKER, A. et al., Akt/Protein Kinase B is Regulated by Autophosphorylation at the Hypothetical PDK-2 Site, The Journal of Biological Chemistry, March 24, 2000, 275 (12): 8271-8274							
	вт	TORDJMAN, K. et al., Differential Regulation of Two Distinct Glucose Transporter Species Expressed in 3T3-L1 Adipocytes: Effect of Chronic Insulin and Tolbutamide Treatment, Proceedings of the National Academy of Sciences of the United States of America, October 15, 1989, 86 (20): 7761-7765							
	BU	ULLRICH, A. et al., Human Insulin Receptor and Its Relationship to the Tyrosine Kinase Family of Oncogenes, Nature, February 28, 1985, 313: 756-761							
	BV	VANHAESEBROECK and ALESSI, The PI3K-PDK1 Connection: More Than Just a Road to PKB, Biochem. J., 2000, Great Britain, 346: 561-576							
	BW	WATSON, R. et al, Lipid Raft Microdomain Compartmentalization of TC10 is Required for Insulin Signaling and GLUT4 Translocation, The Journal of Cell Biology, August 20, 2001, 154 (4): 829-840							
:	вх	WHITE, Morris F., The IRS-Signalling System: A Network of Docking Proteins that Mediate Insulin Action, Molecular and Cellular Biochemistry, 1998, 182: 3-11							

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	ву	WHITE and KAHN, The Insulin Signaling System, The Journal of Biological Chemistry, January 7, 1994, 269 (1): 1-4							
	BZ	WILLIAMS, M. et al., The Role of 3-Phosphoinositide-Dependent Protein Kinase 1 in Activating AGC Kinases Defined in Embryonic Stem Cells, Current Biology, April 5, 2000, 10 (8): 439-448							
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	CE	HOLGADO-MADRUGA, M. et al, A Grb2-Associated Docking Protein in EGF- and Insulin-Receptor Signalling, Nature, February 1996, 379: 560-563							

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